Dalkeith High School - Level 4 - HOMEWORK 19



- 1. Copy and complete each calculation (simplifying where possible):-

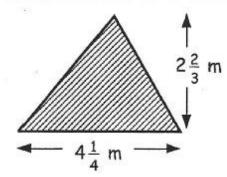
- (a) $\frac{2}{3} \times \frac{5}{7}$ (b) $\frac{1}{2} \times \frac{3}{5}$ (c) $\frac{3}{4} \times \frac{7}{8}$ (d) $\frac{5}{8} \times \frac{2}{3}$ (e) $\frac{7}{8} \times \frac{1}{14}$ (f) $\frac{2}{3} \times \frac{15}{16}$ (g) $\frac{7}{10} \times \frac{5}{14}$ (h) $\frac{5}{4} \times \frac{8}{15}$

- Simplify :-2.
 - (a) $2\frac{1}{4} \times 3\frac{1}{2}$ (b) $4\frac{2}{3} \times 3\frac{1}{2}$ (c) $2\frac{3}{4} \times 3\frac{1}{2}$ (d) $1\frac{2}{5} \times 2\frac{3}{5}$

- (e) $5\frac{4}{5} \times 1\frac{2}{3}$ (f) $1\frac{1}{7} \times 2\frac{4}{5}$ (g) $1\frac{4}{9} \times 4\frac{1}{2}$ (h) $5\frac{3}{5} \times \frac{6}{7}$

3. A triangle has dimensions as shown.

Calculate the area of the triangle.



- 4. Copy and complete each calculation (simplifying where possible) :-

- (a) $\frac{3}{5} \div \frac{3}{4}$ (b) $\frac{4}{5} \div \frac{2}{15}$ (c) $\frac{1}{8} \div \frac{1}{4}$ (d) $\frac{4}{9} \div \frac{4}{15}$

- (e) $\frac{7}{11} \div \frac{7}{22}$ (f) $\frac{8}{15} \div \frac{2}{3}$ (g) $\frac{11}{36} \div \frac{22}{24}$ (h) $\frac{10}{33} \div \frac{25}{34}$
- Copy and complete :-5.

- (a) $6\frac{2}{3} \div 2\frac{1}{2}$ (b) $4\frac{1}{5} \div 3\frac{1}{2}$ (c) $1\frac{5}{7} \div 1\frac{1}{5}$ (d) $1\frac{2}{3} \div 2\frac{2}{9}$ (e) $4\frac{4}{5} \div 1\frac{1}{15}$ (f) $1\frac{1}{2} \div 1\frac{3}{7}$ (g) $5\frac{2}{5} \div 6\frac{2}{5}$ (h) $2\frac{5}{8} \div 1\frac{2}{5}$

- A twenty metre length of rope is cut into $1\frac{5}{8}$ metre pieces. 6.

How much of the rope would be left over?